

Contents Volume 100, 1992

<i>Publisher's Note</i>	1
<i>Research Papers</i>	
The three-dimensional U-Pb method: Generalized models and implications for U-Pb two-stage systematics Y.-F. Zheng (Göttingen, Federal Republic of Germany)	3
Combined high-precision chronometry and geochemical tracing using accessory minerals: applied to the Central-Alpine Bergell intrusion (central Europe) F. von Blanckenburg (Zürich, Switzerland)	19
Ion-microprobe determinations of trace-element concentrations in garnets from anatectic assemblages N.B.W. Harris, P. Gravestock and S. Inger (Milton Keynes, U.K.)	41
Hydrothermal reactions involving equilibrium between minerals and mixed volatiles, 2. Investigations of fluid properties in the CO ₂ -CH ₄ -H ₂ O system using synthetic fluid inclusions Y.-G. Zhang and J.D. Frantz (Washington, D.C., U.S.A.)	51
Rare-earth element distribution in exhalites associated with Broken Hill-type mineralisation at the Pinnacles deposit, New South Wales, Australia J.M. Parr (Newcastle, N.S.W., Australia)	73
Chemical fluxes and origin of a manganese carbonate-oxide-silicate deposit in bedded chert J.S. Huebner, M.J.K. Flohr and J.N. Grossman (Reston, Va., U.S.A.)	93
Recent localised sulphate reduction and pyrite formation in a fissured Chalk aquifer R.T. Kimblin and A.C. Johnson (Reading, U.K.)	119
Dissolution kinetics of natural calcite minerals in CO ₂ -water systems approaching calcite equilibrium U. Svensson and W. Dreybrodt (Bremen, Federal Republic of Germany)	129
On the natural variability of trace-metal content of particulate matter in a deep aquifer M. Magaritz, A.J. Amiel and D. Ronen (Rehovot, Israel)	147
<i>Announcement</i>	159
<i>Publisher's Note</i>	161
<i>Research Papers</i>	
Experimental evidence on the behavior of metal-bearing colloids in low-salinity estuarine water L. Yan, R.F. Stallard, D.A. Crerar and R.M. Key (Princeton, N.J., U.S.A.)	163
Comparison of methods for the removal of organic carbon and extraction of chromium, iron and manganese from an estuarine sediment standard and sediment from the Calcasieu River estuary, Louisiana, U.S.A. N.S. Simon, S.A. Hatcher (Reston, Va., U.S.A.) and C. Demas (Baton Rouge, La., U.S.A.)	175
An ultrasonic method for the separation of carbonaceous material from schists for the determination of graphitization degrees by X-ray diffraction M.L.R.P. Castro Reis and M.J. Canto Machado (S. Mamede de Infesta, Portugal)	191
<i>Announcement</i>	201
<i>Author Index Volumes 51-100</i>	203
<i>Index Volume 100, 1992</i>	321